

What is claimed is:

1 1. A method for a digital subscriber line device to
2 process a dial string wherein the digital subscriber line
3 device is coupled to a PSTN (public switched telephone
4 network) and a VoIP (Voice-over-Internet Protocol) network,
5 the method comprising:

6 receiving a transmission by the digital subscriber line
7 device;

8 comparing a dial string of the transmission with phone
9 numbers stored in a PSTN digit map and a VoIP
10 digit map by a PSTN digit string processor and a
11 VoIP digit string processor, respectively;

12 routing the transmission to the PSTN network when a
13 phone number corresponding to the transmission is
14 found in the PSTN digit map; and

15 routing the transmission to the VoIP network when a
16 phone number corresponding to the transmission is
17 found in the VoIP digit map.

1 2. The method as claimed in claim 1, wherein the PSTN
2 digit map is configured manually and stored in the digital
3 subscriber line device.

1 3. The method as claimed in claim 1, wherein the VoIP
2 digit map is configured by a call agent and stored in the
3 VoIP device.

1 4. The method as claimed in claim 1, wherein the
2 transmission is routed from a telephone to the digital
3 subscriber line device.

1 5. A digital subscriber line device comprising:
2 at least one first port coupled to a PSTN network;
3 a second port coupled to a VoIP network;
4 a PSTN digit map;
5 a VoIP digit map;
6 a PSTN digit map processor for comparing a
7 transmission received by the digital subscriber
8 line device with phone numbers stored in the PSTN
9 digit map, wherein when a phone number
10 corresponds to the transmission is found in the
11 PSTN digit map, the PSTN digit map processor
12 routes the transmission to the PSTN network
13 through the first port; and
14 a VoIP digit map processor for comparing a transmission
15 received by the digital subscriber line device
16 with phone numbers stored in the VoIP digit map,
17 wherein when a phone number corresponds to the
18 transmission is found in the VoIP digit map, the
19 VoIP digit map processor routes the transmission
20 to the VoIP network through the second port.

1 6. The digital subscriber line device as claimed in
2 claim 5, wherein the PSTN digit map is configured manually
3 and stored in the digital subscriber line device.

1 7. The digital subscriber line device as claimed in
2 claim 5, wherein the VoIP digit map is configured by a call
3 agent and stored in the digital subscriber line device.

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1 8. The digital subscriber line device as claimed in
2 claim 5, wherein the dial-up transmission is routed from a
3 telephone to the digital subscriber line device.